

SOV/69-21-3-3/25
Changes in the Adsorption of Potential-Determining Ions During
Coagulation of Lyophobic Sols by Indifferent Electrolytes

a marked additional adsorption of potential-determining ions could be stated in each case. The desorption of iron ions, which could be observed during the coagulation of the Fe(OH)_3 sol, was due to secondary factors. Coagulation of lyophobic sols by indifferent electrolytes, therefore, affects not only the external but also the internal sheath of the colloid particle double layer. The changes observed thereby cannot be explained from the standpoint of a purely electrostatic compression of the double layer. There is a quantitative disparity between this conception and the obtained data. The authors conclude by recommending the further study of the coagulation theory, which is to consider the quantitative effect of electrolytes on the surface potential of colloid particles. Towards the end of the article, the authors mention the Soviet scientists V.A. Kargin and A.I. Rabinovich in connection with certain effects produced by poten-

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SOV/69-21-3-3/25

Changes in the Adsorption of Potential-Determining Ions During
Coagulation of Lyophobic Sols by Indifferent Electrolytes

tial-determining ions during the coagulation process.
There are 3 tables and 50 references, 24 of which are
Soviet, 13 German, 10 English and 3 French.

ASSOCIATION: Tekhnologicheskiy institut legkoy promyshlennosti
(Technological Institute of Light Industry)
Institut fizicheskoy khimii AN USSR im. L.V. Pisar-
zhevskogo, Kiyev (Institute of Physical Chemistry
of the AS of the UkrSSR imeni L.V. Pisarzhevskiy,
Kiyev)

SUBMITTED: 26 February 1958

Card 3/3

ZHUL'VIN, Ye. F., and GLAZMAN, Yu. M.

"On the Nature of the Phenomenon of Assimilation in the Coagulation of Hydophobic Colloids with Electrolytes. Coagulation of Sol of Prussian Blue (Oprirode yavleniya pribyleniya pri koagulyatsii didrofobnykh kolloidov elektrolitami. Koagulyatsiya zolys Berlinskoy lazury) from the book Trudy of the Third All-Union Conference on Colloid Chemistry, pp 341-348, Iz. AN SSSR, Moscow, 1956

(Report given at above Conference, Minsk, 21-4 Dec 53)

Authors: Kiev, Technological Institute of Light Industry

ZHELYABIN, A.; TRIGUB, N.; RUSANOV, S.

Striving for the title of the enterprise of communist labor. Workers
of the Bolshevo Mixed Feed Plant. Workers of the Orenburg Sack
Repairing Shop. Muk.-elev. prom. 29 no.12;3-6 D '63.

1. Moskovskoye upravleniye khleboproduktov (for Zhelyabin).
(MIRA 17:3)
2. Glavnnyy inzh. Bolshevikogo kombikormovogo zavoda (for Trigub).
3. Orenburgskoye oblastnoye upravleniye khleboproduktov (for
Rusanov).

NOVAK, N.Ye.; FEDYAYEV, V.I.; ZHELYABIN, A.V.; KEYZER, V.A., red.; SAVEL'-YEVA, Z.A., tekhn. red.

[Operating small mixed feed mills] Opyt eksploatatsii malogabaritnykh kombikormovykh agregatov. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1961. 59 p.
(Feed mills) (MIRA 14:11)

ZHILYABOV, P.Va.

My practices in rapid transshipment of ship cargoes and
Freightcar loads. Rech.transp.14 no.10:6-9 O '55.

(MLRA 9:1)

1.Kranovshchik Dnepropetrovskogo perta.
(Dnepropetrovsk--Harbor) (Loading and unloading)

ZHELUBOVSKAYA, E.A.

(Eafir' Adol'fovna)

"The Class and Party Struggle in France, 1867-1870 (the prehistory of the Paris Commune of 1871)," Dissertation), Academic degree of Doctor in Historical Scinces, based on her defense, 7 June 1954, in the Council of the Institute of History, Acad. Sci. USSR.

[REDACTED] - m-3, 054, 778, 2 Oct. 57

ZHELYABIN, A.; KOVNATSKIY, I.; GROSS, K.; TULER, A.

Manual on machining flour mill rolls ("Polishing and grooving flour mill rolls" by L.I.Kotliar and N.IA.Kesterl'man. Reviewed by A.Zheljabin and others). Muk.-elev.prom. 25 no.2: 3 of cover F '59. (MIRA 12:4)

1. Glavnnyy inzhener Moskovskogo oblastnogo upravleniya khlebo-produktov (for Zhelyabin).
2. Glavnnyy inzhener Moskovskogo gorodskogo upravleniya khleboproduktov (for Kovnatskiy).
3. Glavnnyy inzhener mel'nitsy No.2 "Novaya Pobeda." (for Gross).
4. Glavnnyy inzhener Novosibirskogo mel'nichnogo kombinata No.1 (for Tuler).

(Flour mills) (Kotliar, L.I.) (Kesterl'man, N.IA.)

EXCERPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

2575. THE USE OF SPECIFIC BACTERIOPHAGE IN DIPHTHERIA (Russian text) -
Zhelyabovskaya E. I. Saratov 1956

Treatment of 860 patients with various forms of diphtheria showed that use of diphtheria bacteriophage combined with anti-diphtheria serum and other causal therapy more rapidly abolishes local processes, decreases general toxæmia, lowers the number and volume of serum injections required, increases phagocytosis, and decreases the frequency of complications and mortality. Carrier state in patients treated with diphtheria bacteriophage was found in 5.1% of cases, and in the non-treated in 25.1% after the 21st day of the disease. Virulence of the diphtheria strains isolated after phage treatment was considerably decreased. It is concluded that diphtheria bacteriophage is effective in prophylaxis and treatment of diphtheria.

(S)

ZHELYABOVSKAYA, K. G.

"Treatment of Typhoid-Paratyphoid Diseases With Sulfidine and Methylene Blue,"
Avtoreferaty Dokladov 19-y Nauchnoy Sessii Saratovskogo Gosudarstvennogo Meditsinskogo
Instituta, Saratov, 1952, pp 206, 207.

ZHELYABOVSKAYA, E. I.

Saratov 5th Childrens' Disease Hospital, (-1944-)

Childrens' Clinic, Saratov Med. Inst., (-1944-)

Chair of Microbiol., Saratov Med. Inst. (-1944-)

"Bacteriaphagotherapy of the Toxic Diphtheria."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 6, 1944.

Name : ZHELIABOVSKAYA, YE. I.

Dissertation : Use of a specific bacteriophage in diphtheria

Degree : Doc Med Sci

Defended At : Min Health RSFSR, Saratov State Medical Inst

Publication Date, Place : 1956, Saratov

Source : Knizhnaya Letopis' No 5, 1957

ZHELYABOVSKAYA, Yelizaveta Ivanovna

Application of specific bacteria-(fags) concerning diphtheria.

Dissertation for the degree of Doctor of Medical Science.
Chair of Nursery Infectious Diseases, Saratov Medical Institute, 1957

Name: ZHELYABOVSKAYA, Yelizaveta Ivanovna

Dissertation: Use of specific bacteriophages
during diphtheria

Degree: Doc Med Sci

Affiliation: Not indicated

Defense Date, Place: 5 Mar 57, Council of Saratov State
Med Inst

Certification Date: 5 Oct 57

Source: BMVO 23/57

ZHELYABOVSKAYA, Ye. I.

Zhelyabovskaya, Ye. I. "Clinical-experimental observations on the action of the diphtheria bacteriophage on major diphteria and bacillus carriers," Trudy VI Vsesoyuz. s'yezda det. vrachey, povyashch. pamyati prof. Filatova, Moscow, 1948, p. 311-15

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Stately, No. 3, 1949)

ZHELYABOVSKAYA, Ye. I.

"Clinical Characteristics of Diphtheria in Young Children," Avtoreferaty Dokladov
19-y Nauchnoy Sessii Saratovskogo Gosydarstvennogo Meditsinskogo Instituta, Saratov,
1952, pp 239, 240.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

ZHELYABOVSKIY, A., podpolkovnik

Chemical and incendiary weapons. Starsh.-serzh. no.4(7):32
Ap '61. (MIRA 14:7)
(Chemical warfare)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6"

ZHELIABOVSKIY, A.I.

Unsatisfactory collection ("Unified standards of time for repair and construction jobs." Reviewed by A.I.Zhelabovskii). Neft.khoz. 33
no.2:95-96 p '55.
(Construction industry) (MIRA 8:4)

ZHELYABOVSKIY, A.I.

ZHELYABOVSKIY, Aleksandr Ilyarionovich; KOLESNIKOV, F.M., red.; BABICHVA,
V.V., tekhn.red.

[Ways of increasing the manufacture of petroleum products; practices
of personnel in the Groznyy plant of the "Grozneftezavod" Petroleum
Trust] Puti uvelicheniya vyrabotki nefteproduktov; iz opyta raboty
kollektiva Groznenskogo neftemaslozavoda ob"edineniia "Groznefte-
zavody." [Groznyi] Groznenskoeknizhnoe izd-vo, 1956. 60 p.
(Groznyy--Petroleum products) (MIRA 11:3)

BYREYEV, P.A., prof.; VAESHAMOV, L.A., prof.; VOLINSKIY, B.G., dotsent; GERASIMOV, N.V., dotsent; GUREVICH, L.I., dotsent; ZHELYABOVSKIY, G.M., prof.; KARTASHOV, P.P., prof.; KOCHETOV, K.P., dotsent; KRUGLOV, A.N., prof.; KUTANIN, M.P., prof.; LARINA, V.S., dotsent; LOBKOV, I.S., doktor [deceased]; LUKOVA, A.I., prof.; MAKHLIN, Ye.Yu., prof.; NAUMOV, A.I., kand.med.nauk; POPOV'IAN, I.M., prof.; SOLJUN, N.S., kand.med.nauk; TARABUKHIN, M.M., dotsent; TRET'YAKOV, K.N., prof.; TRISHINA, A.A., kand.med.nauk; UL'YANOVA, A.V., dotsent; FAYN, A.E., kand.med.nauk; FAKTOROVICH, A.M., dotsent; FRANKFURT, A.I., prof.; FISHER, L.I., dotsent; CHASOVNIKOVA, Ye.P., kand.med. nauk; SHAMARIH, P.I., prof.; SHAPIRO, M.Ya., dotsent; SHVARTS, L.S., prof.; SHUSTERMANN, I.B., dotsent; FOY, A.M., prof.; FREYDMAN, S.L., kand.med.nauk; NIKITIN, B.A., dotsent, red.; AFANAS'IEV, I.A., red.; LUKASHEVICH, V., tekhn.red.

[Concise medical reference book] Kratkii terapevcheskii spravochnik. Izd.3., ispr. i dop. Saratov, Saratovskoe knishnoe izd-vo, 1959. 919 p.

(MIRA 13:7)

1. Chlen-korrespondent AMN SSSR (for Tret'yakov).
(MEDICINE--HANDBOOKS, MANUALS, ETC.)

ZHELYABOVSKIY, G.M., prof. (Saratov)

Some results of the work of public health agencies in Saratov Province. Sov.zdrav. 16 no.10:54-56 0 '57. (MIRA 10:12)
(PUBLIC HEALTH

in Russia, achievement of med. serv. agencies & centers)

ZHELYAK, Ye.N.

[Loan capital and loan interest. Circulation of money] Ssudnyi kapital
i ssudnyi protsent. Denezhnoc obrashchenie, Kiev, 1959. 21 p.
(Loans) (Money) (MIRA 14:8)

LAGUTINA, L.Ye., kand. med. nauk; ZHELYAKOVA, A.V.; FURSIKOVA, V.L.

Symmetrical bilateral necrosis of the renal cortex in
children. Pediatrilia 41 no.10:72-75 O '62.

1. Iz kafedry fakul'tetskoy pediatrii (zav. - dotsent
S.B. Davidson) Saratovskogo meditsinskogo instituta i
prozektury klinicheskogo gorodka Saratovskogo meditsinskogo
instituta (zav. patologoanatomiceskim otdeleniyem R.A. Utts).

(MIRA 17:2)

ZHELYAZKOV, A.; USHEV, Iv.

Dolichocolon in clinical and radiological practice. Mauch.
tr. vissh. med. inst. Sofia 41 no. 7:201-215 '62.

1. Predstavena ot prof. A. Nikolaev.
(COLONIC DISEASES)

L I L Y A L A O V, 15.

Bulgaria/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63550

Author: Zhelyazkov, B.

Institution: None

Title: Bulgarian Natural (Wine) Brandy

Original

Periodical: B"lgarski yestestven (vinen) konyak. Lozarstvo i vinarstvo, 1955,
4, No 2, 108-111; Bulgarian

Abstract: Brief description of the technology of production of brandy in Bulgaria, which does not differ from that used in USSR. Brandy spirits were first set to aging in Bulgaria in 1952.

Card 1/1

BULGARIA/Human and Animal Physiology. Internal Secretion.
General Problems.

T-7

Abs Jour : Ref Zhur - Biol., No 13, 1958, 84297

Author : Nikolov, P., Zhelyazkov, D.

Inst :

Title : Effects of Histamine upon Some Endocrinial Glands (Suprarenal and Thymus Glands).

Orig Pub : Sovrem. med., 1957, 8, No 7, 3-8

Abstract : To three 7 days old rats histamine was administered in doses of 0.1 mg for a period of 5-6 days. Suprarenal gland weights increased, thymus gland weights decreased. In rats receiving histamine, weight gains became smaller.

Card 1/1

ROUSSINOV, K.; ZHELYAZKOV, D.; GEORGIEV, V.

On the mechanism of the myorelaxant effect of the alkaloids
of Vinca herbacea W.K. Dokl. Bolg. akad. nauk 15 no.3:329-332
'62.

1. Submitted by Corresponding Member P. Nikolov,
(MUSCLE RELAXANTS pharmacol)
(ALKALOIDS pharmacol)

CORKIN, V.Z.; GRIDNEVA, L.I.; YERMOLAYEV, K.M.; ZHELYAZKOV, D.K. (Bulgariya)

A new non-hydrazine inhibitor of monoamine oxidase. Dokl. AN SSSR
153 no.2:468-469 N '63. (MIRA 16:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavлено
академиком М.М.Шемякиным.

BRUSOVA, I.V.; GORKIN, V.Z.; ZHELYAZKOV, D.K.; KITROSSKIY, N.A.;
LEONT'YEVA, G.A.; SEVERINA, I.S.

New spectrophotometric method for determining monoamine oxidase
activity in liver homogenates. Vop. med. khim. 10 no.1:83-89
Ja-F '64. (MIRA 17:12)

1. Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.

S/035/62/0001/005/076/098
A055/A101

AUTHORS: Venedikov, M., Ribarov, S., Zhelyazkov, I.

TITLE: Examination of the precision of the trigonometric levelling of points of theodolite steps traverses

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 14, abstract 5G75 ("Nauchn. tr. Visshelesotekhn. in-t", 1961, 9, 273-284, Bulgarian; German summary)

TEXT: The levelling was effected with the aid of an optical theodolite tachometer Zeiss T IV. The main source of the elevation error are the errors in the measurement of distances. Random errors amount to 6 - 8 cm at $s < 125$ m and to 10 - 14 cm at $s = 150 - 250$ m. A systematic positive error of 7 - 25 cm at $s = 50 - 250$ m was found out and ascribed to the inaccuracy of the range-finder constant. The measurements of positive tilt-angles contain a systematic error, which is ascribed by the authors to the imperfection of the optical reading system (the authors extend this assertion to all Zeiss T IV-type theodolites). The magnitude of this error was 30 - 50 "cc" at $s = 50 - 150$ m and 70 "cc" at $s = 250 - 300$ m. ✓

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Examination of the precision ...

S/035/62/000/005/076/098
A055/A101

$s = 200 - 250$ m. The random errors decrease noticeably with distance. For negative tilt-angles, the random errors are $25 - 35$ "cc" at $s = 75 - 250$ m and 52 "cc" at $s = 50$ m. An accuracy estimate for various tilt-angles and distances is given (tables and formulae). ✓

O. Sheynin

[Abstracter's note: Complete translation]

Card 2/2

Country	: Bulgaria
Category	: Microbiology. Microbes Pathogenic For Man and Animals. General Problems.
Abs. Jour	: Rof Zhur-Biol., No 23, 1958, No 103785
Author	: Zhelyazkov-S.
Institut.	: The "V. Chervenkov" Medical Academy
Title	: Rhinocytological Investigation in the Study of Droplet Infections
Orig Pub.	: Nauchni tr. Med. akad. "V. Chervenkov", 1953 (1954), 1, No 1, 295-306
Abstract	: Five hundred and two rhinocytograms were studied in healthy people and patients with droplet infections. In virus influenza degenerating cells of cylindrical epithelium are encountered, whereas in colds*neutrophils are observed in large numbers. In scarlet fever, many neutrophils, lymphocytic-histiocytic cells and streptococci are found; in diphtheria, neutrophils in smaller numbers as well as diphtheria bacilli; in poliomyelitis and mumps, cells of multilayered squamous epithelium, whereby in mumps these cells are arranged in layers. In bronchopneumonic complications of measles pneumococci are found in the rhinocytograms; in epidemic meningitis, meningococci. The author believes that the rhinocytogram can be useful for early diagnosis and should be 1/2 *(catarrhal condition of upper respiratory passages)
Card:	

Country :	
Category :	
Abs. Jour :	Ref Zhur-Biol., No 23, 1958, No 103785
Author :	
Institut. :	
Title :	
Orig Pub. :	
Abstract (Cont.)	widely used in the study of droplet infections,--- V. V. Vlodavets.
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Card: 1/1

G-2

45848

Country : Bulgaria

Category

Abs. Jour

Author

Institut.

Title

Orig Pub.

Abstract

(1957)

Trudy Nauch Isledovatel Inst Farmatsiya, 1, 3-5

Decreasing the amount of SOCl_2 used in the syn-

thesis of coramine (I) and the use of $\text{NH}(\text{C}_2\text{H}_5)_2$,

instead of $\text{NH}(\text{C}_2\text{H}_5)_2 \cdot \text{HCl}$ markedly increases the

yield of I. 1 mol nicotinic acid and > mols

SOCl_2 are heated in C_6H_6 to 110-120°, the prod-

uct is heated (2 hrs at 100° followed by 2 hrs

at 160-165°) with a benzene solution of $\text{NH}(\text{C}_2\text{H}_5)_2$,

and I is isolated by the usual method, yield 75%.

D. Vitkovskiy

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or $\text{C}_3\text{H}_4\text{NC}_2\text{H}_5$ is

19001

CIA-RDP86-00513R0020647100

: ZHELYAZKOV L.
: SHELYAZKOV, L.
BULGARIA / Organic Chemistry "Synthetic organic chemistry,

G-2

Abs Jour : Ref Zhur - Khimika, No 14, 1959, No. 49491

Author : Zhelyazkov, L.; Zikolova, S.; Agova, M.; Zhelyazkov, L.;
Agova, M.; Zikolova, S.; Mutafcheva, E.

Inst : Bulgarian Institute for Pharmacology

Title : Synthesis of Compounds with Possible Antitubercular
Activity. I. Hydrazides of Some Organic Acids and
Their Derivatives. II. Hydrazides of Isonicotinyl
Hydrazide. III. Hydrazides and Hydrazones of α -
Cyanocarboxylic Acids

Orig Pub : Trudy Nauch Issledovatel Farmatsiya, 1, 12-15; 15-19;
19-21 (1957)

Abstract : I. In the course of research on the synthesis of
compounds with antituberculosis activity (ATA), the
authors have synthesized a number of hydrazides by the

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BULGARIA / Organic Chemistry--Synthetic organic chemistry.

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Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49491

reaction of organic acid esters with $N_2H_4 \cdot H_2O$ (I) at about 100° or at higher temperatures (the starting acid, code of the corresponding hydrazide in parentheses, yield in %, and mp in $^\circ C$ are given in that order):
isonicotinic (II), 98, 171; nicotinic, 98, 158 - 159;
 C_6H_5COOH , 80, 112 - 113; 4- $NO_2C_6H_4COOH$, 75, 208;
4- $NO_2C_6H_4COOH$, 75, 220 - 224; 2-HOC $_6H_4COOH$, 60, 148 - 152;
PASK/PASC₁₇ (III), 60, 123 - 124; $C_6H_5SO_3H$, 70, 100 - 102; 4-NH₂C $_6H_4SO_3H$, 75, 131; 4-CH₃CONHC $_6H_4SO_3H$, 74, 177;
citrazinic, 56, 215 - 216; HSCH₂COOH (IV), 70, --. The action of C_6H_5CHO (V) and 2-HOC $_6H_4CHO$ (VI) on IV gives HSCH₂CONHN-CHC $_6H_5$ (VII), yield 63%, mp 170 - 175 $^\circ$, and HSCH₂CONHN-CHC $_6H_4OH-2$ (VIII), yield 70%, mp 180 - 186 $^\circ$. The ATA of III is equal to that of I; the remaining hydrazides have lower activities. VII and VIII were found to have no activity. Apparently the ATA carrier

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BULGARIA / Organic Chemistry--Synthetic organic chemistry.

C-2

Abs Jour : Rof Zhur - Khimiya, No 14, 1959, No: 49491

is not the NNHC group but the molecule as a whole.
II. The reaction of II with aldehydes or ketones gives
a series of isonicotinyl hydrazones. The reaction
proceeds in alcoholic or aqueous medium in the presence
(or absence) of a small amount of CH₃COOH at about 20°
or at about 100° (10 - 15 min); at more elevated
temperatures the reaction takes 10 - 20 hrs [misprint?].
The starting aldehyde or ketone, the yield in %, and the
mp in °C are given for the following isonicotinyl hydra-
zones: camphor, 60, 217; carvone, 70, 142 - 143;
perillaldehyde, 35.5, 126 - 130; benzoin, 90, 163;
2-hydroxy- α -naphthoic aldehyde, 98, 255; C₆H₅CH=CHCOCH₃,
98, 183 - 186; α -naphthyl- β -phenylindone, 20, 223 -
226; antipyrine, 10, 254 - 257; CH₂O, 50, 171 - 178;
triacetoneamine, 98, 186.5; diacetoneamine oxalato, 60,

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BULGARIA / Organic Chemistry--Synthetic organic chemistry.

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Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49491

205; phorone, 50, 189; mesityl oxide, 50, 263 - 264; 4-hydroxycoumarin, 10, 237; α -galactose, 50, 170 - 173; $(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{COCH}_3$, 96, 140 - 142; $\text{C}_6\text{H}_5\text{-COCH}_2\text{CN}$, 60, 234 - 236; $\text{C}_6\text{H}_5\text{COCCH}_2\text{CH}_2\text{CN}$, 50, 253 - 255; 5-nitrofurfural, 98, 250 (docamp); furfural (IX), 90, 214 - 215; α -glucose, 40, 180; VI, 98, 239 - 240; 4-(CH_3)₂N₂C₆H₄CHO, 90, 202 - 203; acetone (I), 70, 160 - 161; $\text{C}_6\text{H}_5\text{COCH}_3$, 98, 174; 4- $\text{CH}_3\text{CONHC}_6\text{H}_4\text{CHO}$ (XI), 97, 278 - 281; V, 90, 199; CH_3CHO , 91, 176 - 178; cyclohexanone (XII), 90, 174; enanthic aldehyde, 70, 99 - 102; vanillin, 90, 222 - 225. 4- $\text{CNCH}_2\text{CH}_2\text{NNHCOC}_6\text{H}_4\text{N}\cdot\text{HCl}$ has also been synthesized in yields of 87% (mp 279 - 280°). Two of the above isonicotinyl hydrazones have shown good results during clinical tests.

III. Hydrazones have been synthesized by the reaction of aldehydes and ketones with $\text{RCH}(\text{CN})\text{-CONHNH}_2$ (XIII), prepared

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BULGARIA / Organic Chemistry--Synthetic organic chemistry!

G-2

Abs Jour ! Ref Zhur - Khimiya, No 14, 1959, No. 49491

from I and RCH(CN)COOC₂H₅. The reaction of CNCHNaCOOC₂H₅ and C₆H₅CH₂Cl in xylene (reflux for about 10 hrs) gives C₆H₅CH₂CH-(CN)COOC₂H₅ in yields of 50%. (CH₃)₂CHCH(CN)CONH-NH₂, mp 75°, and C₆H₅CH₂CH(CN)CONHNH₂, mp 127 - 128°, have also been prepared. The starting aldehyde or ketone and the R group in XIII, and the mp in °C of the hydrazone are listed in that order for the following hydrazones: XII, H, 128; XI, H, 226 (decomp); VI, CH₃, 212 - 214; IX, CH₃, 153 - 156; X, (CH₃)₂CH, 109; V, (CH₃)₂CH, 158 - 160; VI, (CH₃)₂CH, 146; the ATA of the hydrazones obtained are lower than the ATA of II. --
V. Skorodulov

Card 5/5

BULGARIA/Organic Chemistry. Organic Synthesis.

G

Abs Jour: Ref Zhur-Khim., No 11, 1959, 38592.

Author : Zhelyazkov, L. and Bikova, N.

Inst : Pharmacological Research Institute.

Title : Synthesis of Phenacetin.

Orig Pub: Trudi Nauch Isledovatel Inst Farmatsiya, 1, 25-36
(1957) (in Bulgarian with German and Russian summaries)

Abstract: The authors have synthesized $p\text{-C}_6\text{H}_5\text{OC}_6\text{H}_4\text{NHCOCH}_3$ (I) by the reaction scheme: $\text{C}_6\text{H}_5\text{OH} + p\text{-NO}_2\text{C}_6\text{H}_4\text{NC}$ (II) [sic]; II + $\text{H}_2\text{S} + \text{Na}_3 \longrightarrow p\text{-NO}_2\text{C}_6\text{H}_4\text{NH}_2$ (III); III + $\text{CH}_3\text{COOH} \longrightarrow p\text{-NO}_2\text{C}_6\text{H}_4\text{NHCOCH}_3$ (IV); IV + $\text{C}_6\text{H}_5\text{SO}_2\text{OCH}_3^-$ (+ NaOH) \longrightarrow I. II is obtained in yields of 70-78%; III is obtained in yields of 80% by the reduction of II or by the action of $(\text{NH}_4)_2\text{S}$ on a solution of II in conc NH_3 (or by passing a stream of H_2S through the

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BULGARI./Organic Chemistry. Organic Synthesis.

Abs Jour: Ref Zhur-Khim., No 11, 1959, 38592.

G

solution); IV is obtained in yields of 80%; the yield of crude I is 84%; (80% after recrystallization) calculated on III or 40% calculated on the starting phenol. -- M. L.

Card : 2/2

Country : Bulgaria
Category :

G-2

Abs. Jour. :

45884

Author : Zhelyazkov, L., Bikova, N., and Zikolova, S.
Institut. : Bulgarian Institute for Pharmacology
Title : Synthesis of N-Substituted 2-Oxazolidones and
of Their Derivatives

Orig. Pub. : Trudy Nauch Isledovatel Inst Farmatsiya, 1, 25-
27 (1957)

Abstract : For the purpose of investigating the dependence
between the structure of 1-oxazolidones-2 and
their pharmacological activity, the Nu-derivatives
of cis- and trans-4-methyl-5-phenyl-1-
oxazolidone-2 (I, II) have been alkylated with
 $(C_2H_5)_2SO_4$, $C_6H_5SO(CH_3)_2$, and $C_6H_5CH_2Cl$ to
 β -R-I (IIIa-c, where Ra = C_2H_5 , Rb = $CH(CH_3)_2$,
and Rc = $CH_2C_6H_5$) and β -R-II (IVa-c). Alkaline
hydrolysis of IIIa-c and IVa-c converts these
compounds to the corresponding N-substituted cis-

Card: 1/2

Country : Bulgaria
 Category : Organic Chemistry. Synthetic Organic Chemistry

Abs. Jour. : Ref Zhur-Khimiya, No.12, 1959, No.42384

Author : Chelyazkov, L., Petkova, E.
 Institut. : Scientific Research Institute of Pharmacy
 Title : Synthesis of Substances with Presumed Analgesic Action.

Orig. Pub. : Tr. N.-i. in-t farmatsiya, 1957, 1, 28-31

Abstract : Certain derivatives of n-phenetidine (I) were synthesized for the purpose of obtaining analgesics. The mixture of I, $\text{CH}_2=\text{CHCN}$ and glacial CH_3COOH is boiled 8-9 hours; $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{NHCH}_2\text{CH}_2\text{CN}$ (II) is extracted with ether; the yield is 45-55%; the melting point is $74-76^\circ$ (from alcohol). Apparently it is $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{N}(\text{CH}_2\text{CH}_2\text{CN})_2$ which is separated from the mother liquors; the melting point is $120-128^\circ$. The saponification of II produces $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{NHCH}_2\text{CH}_2\text{COOH}$; yield 74%.

Card: 1/2

Category : Organic Chemistry. Synthetic Organic Chemistry

Abs. Jour. : Ref Zhur-Khimiya, No.12, 1959, No.42384

Author :

In APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002064710014

Title :

Orig. Pub. :

Abstract : melting point 103-105%; ethyl ether, melting point 38°; hydrazide, melting point 113-115°. $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{N}(\text{CH}_3)\text{COCH}_3$ (III) is obtained from the following arrangement: I \rightarrow $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{N}(\text{Na})-\text{COCH}_3 \rightarrow$ III. The obtained III is hydrolyzed with HCl to $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{NHCH}_3$ (IV). The action of CH_2O and NaHSO_3 on IV produces $4-\text{C}_2\text{H}_5\text{OC}_6\text{H}_4\text{N}(\text{CH}_3)\text{CH}_2\text{SO}_3\text{Na}$; yield 75%; melting point 265° . -- V. Skorodumov.

Card: 2/2

Country : Bulgaria
 Category :

G-2

Abs. Jour. :

45864

BULGARIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14532

Author : Zhelyazov L., Zikolova Sv., Bikova N.

Inst :

Title : Behavior of Cis- and Trans-Isomers of 4-Methyl-5-Phenyl-Oxazolindone-2 Toward Lithium Aluminum Hydride.

Orig Pub: Farmatsiya (Bulg.), 1957, 7, No 3, 19-23.

Abstract: It is shown that cis- (I) and trans- (II) 4-methyl-5-phenyl-oxazolindone-2 are not reduced over skeleton Ni or Pd/C under normal conditions; on an attempt to effect the reduction with Na and alcohol, or Na and amyl alcohol, II is converted to norephedrine. On boiling for 7 hours with an ether solution of 2 mole LiAlH₄ I and II are reduced, with almost quantitative yields, to pseudo-ephedrine and ephedrine.

Card : 1/1

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

BULGARIA/Chemical Technology. Chemical Products and Their Application. Pharmaceuticals. Vitamins. Antibiotics.

H-17

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5700.

Author : Zhelyazkov, L.

Inst :

Title : Progress in Chemistry of Pharmaceuticals in USSR.

Orig Pub: Farmatsiya (Bulg.), 1957, 7, No 5, 15-23.

Abstract: No abstract.

Card : 1/1

ZHELYASKOV, L.

BULGARIA/Organic Chemistry Synthetic Organic Chemistry

0-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81637.

Author : Ivancov Ch, Jelyaskov L, Dodova M, Agova M.

Inst : AN Bulgaria.

Title : The Preparation of Nitrofuran Substitutes Having Possible
Antitubercular Activity.

Orig Pub: Dokl. Bolg. AN, 1957, 10, No 4, 313-316

Abstract: In search of new preparations which possess anti-tubercular activity, there were obtained: 5-nitofurfurylidene salicylhydrazine, yield 80.3%, m.p. 246-250°C. (with decomposition; from alcohol); 5-nitrofurfurylidene benzylcyanoacetyl hydrazine, yield 64%, m.p. 181-185°C. (with decomposition; from alcohol), and 5-nitrofurfurylidene isonicotynoyl hydrazine (I). It was demonstrated that cyanoacetyl

Card : 1/2

BULGARIA / Organic Chemistry. Natural Substances
and Their Synthetic Analogues.

G

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50504

Author : Zhelyaskov, L.; Petkova, E.

Inst :

Title : Isomerization of Codeine into Dihydrocodeinone.

Orig Pub : Pharmazia (Bulg), 1957, 17, #4, 11-13.

Abstract : Upon 24 hours of boiling in toluene, in presence
of Ni-Sponge, Catalyst codeine was isomerized
into dihydrocodeinone with 30% yield, m.p. 193-
195° (fr. alcohol). Use of cyclohexanone as a
hydrogen acceptor in the above reaction (Findlai
St.P., Small L.F.; J. Amer. Chem. Soc., 1950,
72, 3247-3249) was found to be not mandatory.
-- D. Vitkovskiy

Card 1/1

BULGARIA / Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1292.

Author : Zhelyazkov, Ll., Bikova, N., Petkova, Ye.

Inst : Not given.

Title : The Synthesis of Harmine Bases.

Orig Pub: Formatsiya (Bulg.), 1958, 8, No 2, 13-17.

Abstract: 9-R-harmines were synthesized (Ia-d), where aR is CH₃, bR = -n-C₄H₉, cR = n-CH₃OC₆H₄OH₂, dR = CH₂CH₂OH).

Upon heating n-xylylene dichloride for 5 hours with harmine in C₄H₉OH, the dichloride 2-(n-xylylene)-bis-harmine was apparently obtained. Also obtained were the iodine methylates (IM), 9-benzyl- (m. p. 283-284°C.), 9-β-dimethyl aminoethyl- (m. p. 288-290°C.) and 9-β-diethylaminoethyl- (m. p. 298-299°C.) - harmines. Two grams of dimethyl

Card 1/3

21

BULGARIA / Organic Chemistry. Organic Synthesis. G-2

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1292.

Abstract: (cohol); sulfate, m. p. 263-264°C.; picrate, m. p. 260-263°C.; tartrate, m. p. 253-254°C.; salicylate, m. p. 242-244°C.; IM, m. p. 298-301°C.; o-benzoyl derivative, m. p. 285-288°C. -- D. Vitkovskiy.

Card 3/3

BULGARIA/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81668

Author : Zhelyazkov L.. Zikolova Sv., Agova M.

Inst :

Title : The Synthesis of Compounds With Prospective Anti-tubercular Activity. III. Hydrazides and Hydrazones

Orig Pub: Khimiya i industria (Belg.), 1958, 30, No 1, 14-17

Abstract: In the search of new antitubercular compounds, the hydrazide of 2,6-dioxyisonicotinic acid was obtained, m.p. 215-216°C., which was converted into isonicotinoyl hydrazones (INH) by the condensation with carbonyl compounds (CC); Given are CC and m.p. in °C. of the corresponding INH: α -galactose, 170-173°C., diacetone alcohol, 140-142°C.; 5-nitrofurfural, 250 (decomposition); Karvon, 142-143; perillaldehyde, 126-130;

Card : 1/2

COUNTRY	: BULGARIA
CATEGORY	: Organic Chemistry. Synthetic Organic Chemistry
PERIOD	: 1960
PERIOD	: 1960
AEC. JOUR.	: RZKhim., No. 1 1960, No. 1267
AUTHOR	: Znelyazkov, L.; Zikolova, S.; Bikova, N.
INST.	: -
TITLE	: Synthesis of 3-Substituted Oxazolidones-2 and Their Derivatives
ORIG. PUB.	: Farmatsiya, 1959, 9, No 2, 33-35
ABSTRACT	: By the alkylation of cis- and trans-4-methyl-5-phenyloxazolidones-2 (I, II), N-alkyl substituted I and II were synthesized [Ia-f and IIa-f; everywhere a alkyl = n-C ₃ H ₇ ; b n-C ₄ H ₉ , c CH ₂ -CH(CH ₃) ₂ , d n-C ₆ H ₁₃ , e CH ₂ CH=CH ₂ , f CH ₂ CH ₂ N-(C ₂ H ₅) ₂], through the alkaline hydrolysis of which cis- and trans-2-alkylamino-1-phenylpropanols (IIIa-f and IVa-f), interesting

CARD: 1/3

G-35

COUNTRY :	G
CATEGORY :	
ABS. JOUR. :	RZKhim., No. 1 1960, No. 1267
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd	: from the pharmacological viewpoint, were obtained. M.p. in °C of synthesized bases and their hydrochlorides are given: Ic, 20-34, --; IIc, 83-84, --; IIIa, 89-90, 145-148; b, 68-69.5, 153-155; c, 76-78, 155-157.5; d, 55-57, 165-168; e, 80-82, -- [oxalate (OX), m.p. 140-142°]; f, --, --, (OX, m.p. 165-170°, diiodohydrate, m.p. 195-197°); IVa, 65-66, 215-217; b, 68.5-69, 220-221; o, 69-71, 202-
CARD:	2/3

COUNTRY :	G
CATEGORY :	
ABS. JOUR. :	RZhKhim., No. 1 1960, No. 1267
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd	: 205 [OX, m.p. 213° (decomp.)]; d, 57-59, 227- 228; e, --, --, [OX, m.p. 199-201° (decomp.)]; f, --, -- (OX, m.p. 182-183°, diiodohydrate, m.p. 185-186°). All of the substituted I and II (except Ic, IIc) do not crystallize. See also RZhKhim., No 13, 1959, No 45804.-- D. Vitkovskiy
CARD:	3/3
0-36	

COUNTRY : Bulgaria H-17
 CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 87566

AUTHOR : Zhelyazkov, L.; Agova, M.; Petkova, Ye.; *
 INST. : Scientific Research Institute of Pharmacy
 TITLE : Synthesis of 5,6-Dimethyl-Benzimidazole

ORIG. PUB. : Tr. N.-i. in-t farmatsiya, 1957, 1, 50-51

ABSTRACT : A synthesis has been effected for 5,6-dimethylbenzimidazole (MP 202-203°, yield 80%), used as predecessor in the biosynthesis of vitamin B₁₂. A method has been developed for the chloromethylation of p-nitrotoluene with symmetrical dichlorodimethyl ether, which has strongly toxic properties, without isolation of the latter from the sulfuric acid reaction mixture. -- From authors' summary.

CARD:
 * Bikova, N.; Levi, Sh.
 209

COUNTRY : Bulgaria D-1/
 CATEGORY :

APPROVED FOR RELEASE: 03/15/2001, CIA-RDP86-00513R002064710014

ABS. JOUR. : RZKhim., No. 1959, No. 87566

AUTHOR : Zhelyazkov, L.; Agova, M.; Petkova, Ye.; *
 INST. : Scientific Research Institute of Pharmacy
 TITLE : Synthesis of 5,6-Dimethyl-Benzimidazole

ORIG. PUB. : Tr. N.-i. in-t farmatsiya, 1957, 1, 50-51

ABSTRACT : A synthesis has been effected for 5,6-dimethylbenzimidazole (MP 202-203°, yield 80%), used as predecessor in the biosynthesis of vitamin B₁₂. A method has been developed for the chloromethylation of p-nitrotoluene with symmetrical dichlorodimethyl ether, which has strongly toxic properties, without isolation of the latter from the sulfuric acid reaction mixture. -- From authors' summary.

CARD:
 * Bikova, N.; Levi, Sh.
 209

ZHELYAZKOV, L.

- 26
1. "Folia. Farmatsiya, Vol. 11, No. 3, May-June 1961
"Thirty Years Since the Initial Communist Congress of
"Bulgarian Medical and Sanitary Workers" V. CHILAKOV,
pp. 3-10.
2. "Pharmaceutical forms of tetracycline hydrochloride"
G. SHENKOV and S. DUDOVAY (Pharmacy Research Institute
Director L. ZHILINOV) pp. 9-13 (English Summary)
3. "Pharmacodynamic and toxicological properties of Allium urinum"
A. ANGULOV (Department of Pharmacology and Toxicology,
Institute Chairman Prof. V. PETROV and Department of Toxic-
ology Chairman Sandor Research Associate A. LALICO),
pp. 13-21.
4. "Quantitative determination of Rutin in Papaverum
esculentum" T. P. LITVININA and A. S. SAMOCHINA (Chair
of Medicinal Form Technology and Chemicals at the
Faculty of Pharmacy, Moscow Medical Institute), pp. 23-25.
5. "Antibacterial, Antiviral, Antitoxic and Cytotoxicologic
Properties of Proteomycin and Anemomycin" A. ZHUKOV,
V. ZHUKOV, V. SUREV, Fav. QUREV, St. MUSICOVA and
V. TSCHIKVA (Epidemiology and Microbiology Research
Institute), pp. 27-33 (English Summary)
6. "Method for quantitative analysis of procaine hydrochlo-
ride in Novocain capsules" Kh. KARAEV (National Insti-
tute for State Control over Medicinal Preparations
Inspector Prof. Sv. SUSTAKOV), pp. 31-35.
7. "Use of ion exchange column in assay of gastric
fluids" L. BOYARSKA-SEREDINSKA and Z. BOZKOV, pp. 39-43
(English Summary).
8. "The surgical pharmacy" IV. KERZON (Senior Pharmacist
Pharmacy Infection Chair, Ministry of National Health
and Sanitation Care), pp. 44-45.
9. "Unpublished not identified.
1. Kachan-Adzhalyksky Institute No. 2000001.
2. Institute for Pharmaceutical Education 1 Chirurgichka.
3. Kirovgrad Pedagogical Institute, Kirovgrad section from 1-6.
Lomovitsa Properties.
4. Kachan-Adzhalyksky Institute for epidemiological & statistical
research.
5. Kachan-Adzhalyksky Institute as director general as laboratory
assistant.
6. Lyubimtsa Hospital No. 1.

— 26 —

ZHELYARKOV, L.

- 17
- Soviet Biological Collection, 1950-1951, Part IV, pp. 6-151 (cont'd)
11. "The Structure of Antibodies," in "Proceedings of Seminars on Enzymatic Purification, Separation, and Fractionation of Proteins in English with French Summary," pp. 1-10.
12. "On the Preparation of Polymerized Forms of the Alkaline Phos-
phatase of Intestinal Microflora Acid," in "Proceedings of Seminars on Enzymatic Purification, Separation, and Fractionation of Proteins in English with French Summary," pp. 21-30.
13. "On the Influence of the Enriched Culture of Bacteria on Poly-
merase Activity in Tissue and in Cellulture," Dr. M. S. P. Malin-
skaya, V. G. Chub, and N. Petren (in German with Russian sum-
mary), pp. 45-53.
14. "The Influence on Polymerase Activity of the Enriched
Gas Germicidal Stationary," pp. 49-51.
15. "Microscopic Analysis of Lipoproteins and Lipoprotein Deriva-
tives Treated with Acetylcholine, Trichloroacetic Acid, and
Pertussis," D. I. Likhov (in German with Russian summary),
pp. 63-66.
16. "Immunization Effects and Possibilities of Immunizing Horses
Adaptable to Native Substances," Dr. I. V. Il'inskii (in French with Russian summary), pp. 67-74.
17. "Immunization of Horses to Glucosidase, Glucosidase, and
Lipase," Dr. I. V. Il'inskii (in German with German summary),
pp. 75-82.
18. "The Distribution of Some Enzymes in Plant Tissues," Dr. L. S. Golova (in German with German summary), pp. 91-98.
19. "The Distribution of Endopeptidases, Peptidases, and Proteinases
in Plants," Dr. L. S. Golova (in German with German summary),
pp. 99-106.
20. "On the Role of the Larvae of *Amorphaeana* in the Production of
1892) as Carriers of Infectious," Dr. N. S. Kozhevnikov (in Russian
with Russian summary), pp. 113-120.
21. "The Effect of the Salivary and Gastric Enzymes on Adhesive, Adhe-
sive, and Clinging Properties," Dr. I. V. Il'inskii (in English with
Russian summary), pp. 121-128.
22. "On Immunization of the Gorbachev Redoubtive Effect of
Bilobalide," Dr. I. V. Il'inskii (in German with German summary),
pp. 129-136.

ZHELYAZKOV, L. [Zheliazkov, L.]; BIKOVA, N.

3, 4, 5-trimethoxybenzoic esters of some substituted 4-piperidols.
Doklady BAN 16 no.5:521-524 '63.

1. Submitted by Academician D. Ivanoff [Ivanov, D.].

GEORGIYEV, A.G.; ZHELYAZKOV, L.D.

Synthesis of β -hydroxy- α -naphthylpropionic esters by means of
Reformatskii reaction. Dokl. AN SSSR 154 no.1:132-135 Ja'64.

(MIRA 17:2)

1. Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut,
Sofiya, Bulgaria. Predstavлено akademikom B.A. Kazanskim.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

ZHILYAZKOV, S.; MONEV, V.

Staphylococci as a cause of hospital infections. Suvr. med.
(Sofiia) 15 no.8:36-40 '64

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6"

TANEV, Iv., prof.; ZHELYAZKOV, S.; SHCHEREV, P.; TODOROV, M.;
BOYADZHIEVA, M.; AVERAMOV, S.

Early diagnosis and treatment of whooping cough. Pediatriia 36
no.2:33-38 F '59. (MIRA 12:4)

1. Iz kafedry infektsionnykh bolezney i epidemiologii (zav. - prof.
P. Verbev, zav. klinikoy - prof. Iv. Tanev) pri Vysshem meditsin-
skom institute (Sofiya).

(WHOOPING COUGH
early diag. & ther. (Rus))

ZHELYAZOV, Z.

Controlling the Thermal Treatment Quality of Automobile and Tractor Parts.
In the Bulgarian Heavy Industry, 5:40:May 55

ZHELYAZKOVA-PANAYOTOVA, M. [Zheliazkova-Panaiotova, M.]

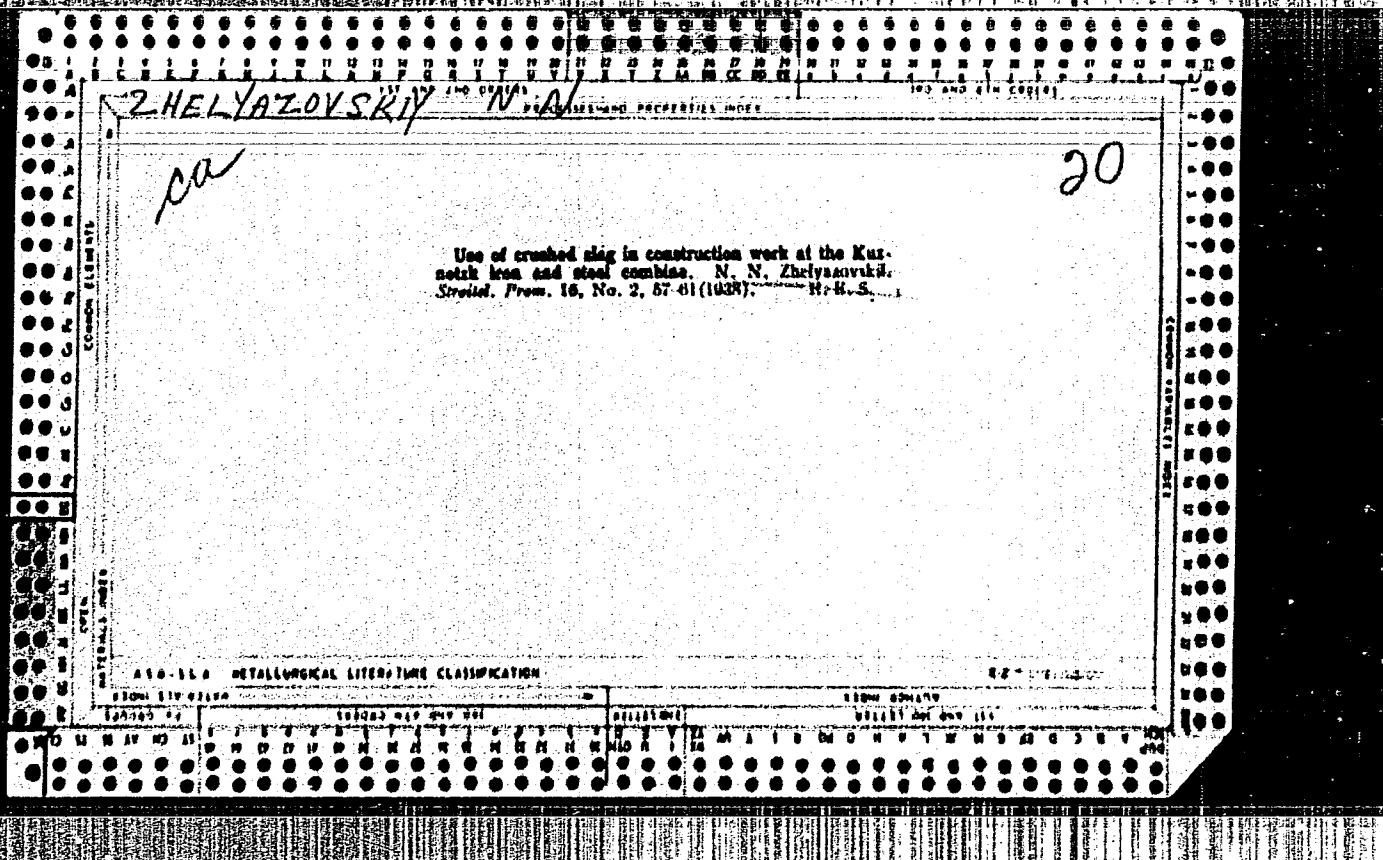
Relationship between the specific gravity and size of the unit cell in chromospinellids. Doklady BAN 15 no.2:179-182 '62.

1. Predstavлено чл.-корр. I. Kostovym (Kostov, I.).

ZHELIYAZKOVA-PANAYOTOVA, M. [Zheliyazkova-Panayotova, M.]

Some considerations on the metamorphism of chromospirallids. Godishnik
bil. 57 no.1:43-74 '62-'63 [publ. '64]

Alpha cerolite and beta cerolite of the Rhodope Mountains. Ibid.:
167-183



ZHELYAZOVSKIY, V.N., kand. tekhn. nauk, dots.

[New building materials; lectures read in courses for raising the qualifications of engineering and technical workers] Novye stroitel'nye materialy; lektsii prochitannye na kursakh povysheniia kvalifikatsii ITR. Novosibirsk, In-t inzhenerov zheldor. transporta, 1964. 70 p.
(MIRA 18:3)

ZHELYAZKOVA-PANAYOTOVA, M.

Reviews. Geokhimiia no.7:887-888 Јл '65.

(MIRA 18:11)

1. Kafedra poleznykh iskopayemykh Sofiyskogo Universiteta
"Klement Okhridski".

ZHELVIS, A.I.

Characteristics of limestone for sulfuric acid towers in sulfite-cellulose production. Trudy LTA no.87:103-109 '59. (MIHA 13:4)
(Sulfuric acid)

KALININ, F.L.; ZMELIUK, V.M.

Physiological and biochemical changes in winter rape during
the transition to the reproductive development under the
influence of gibberellic acid. Ukr. bot. zhur. 20 no.2:14-20
'63. (MIRA 16:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii
rasteniy.
(Gibberellic acid) (Rape(Plant))
(Plant physiology)

ZHELZNYAKOV, V.V.

6. Radioastronomical Studies of the Sun

"Frequency Spectrum and Reabsorption of Radioradiation Related to Solar Spots," by V.V. Zhelznyakov. Uch. zap. Gorkovsk. un-ta. 1956, 30, pp 41-60. (From Referativnyy Zhurnal -- Astronomiya i Geodeziya, No. 4, Apr 57, Abstract No 2796.)

The relation of the mechanism of solar spots to relativistic electrons moving in the magnetic field of the spots is analyzed. On the basis of the determined energy spectrum of electrons, the frequency spectrum of radio emission is obtained in agreement with observational data. From the analysis of various factors affecting the absorption of radio waves over the spot, it is concluded that the basic absorption of electron-generated waves is conditioned by the conversion of electromagnetic radiation energy into kinetic energy during the establishment of forced oscillations of relativistic electrons in the wave field. (U)

SUM 1429

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

"n., inzh.; ZHEMALETDINOV, Kh., inzh.
New machinery for rural construction. Sel'stroi. 15
no.7:21-23 Jl '60.
(Building machinery) (MIRA 13:8)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

ZHEMALETDINOV, Kh., insh.

Hoisting cranes on reusable runways. Stroitel' no.12;21
D '59. (MIRA 13:3)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6"

Oil containers made of beech.

Beech

Oil containers made of beech. Les. prom., 12, No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

KAZAKEVICH, N. L.; SIMONENKO, A. I.;
KAZAK, V. K.; ZHEMANOV, I. N. ENGS.

Machine Tools

Making cutters and stencils with straight tooth design on a cutting and grinding machine.
Vest. mash., 32, no. 2, 1952.

Monthly List of Russian Accessions. Library of Congress. October 1952. UNCLASSIFIED.

ДИКО, А.И.; КАЗАК, В.К.; СОНИНОВ, И.Н. Рис.

Machine Tools

Making cutters and stencils with straight tooth design on a cutting and grinding machine.
Vest. msh., 32, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, October, 1952, Unclassified.

Machine Tools

Making cutters and stencils with straight tooth design on a cutting and grinding machine.
Vest. mash., 32, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

L 38820-66 EWT(1) IJP(c)

ACC NR: AR6021041

SOURCE CODE: UR/0058/66/000/002/H057/H057

AUTHOR: Gershteyn, G. M.; Zhemarin, G. V.

TITLE: Concerning the use of the method of induced current to simulate fields in inhomogeneous media

SOURCE: Ref zh.Fiz, Abs. 24380

REF SOURCE: Sb. Vopr. elektrich. modelirovaniya polya. Saratov, Saratovsk. un-t, 1964, 182-193

TOPIC TAGS: simulation, induced current, model scaling, electrostatic field, dielectric constant, ANISOTROPIC MEDIUM

ABSTRACT: It is shown theoretically and experimentally that the fictitious field of the Shockley-Ramo theorem has the same properties with respect to material piecewise inhomogeneous dielectric media (DM) as a real electrostatic field. It is also possible to apply this theorem to an anisotropic DM whose dielectric constant (ϵ) is described by a symmetrical second-rank tensor, if one uses an isotropy-producing deformation of space. The possibility of simulating fields in inhomogeneous media using induced-current models into which dielectrics with different ϵ are introduced, is demonstrated. A preliminary experimental confirmation of this possibility is obtained. [Translation of abstract]

SUB CODE: 20

Card 1/1 H

ZHEMARIN, V.A.; KOZLOV, S.S.

Present and future developments in the oil container industry.
Transp. i khran. nefti no.8:24-27 '63. (MIRA 17:3)

1. Gosudarstvennyy komitet khimicheskoy i neftyanoy promyshlennosti
pri Gosplane SSSR i Glavnoye upravleniye po transportu i snabzheniyu
neft'yu i nefteproduktami RSFSR.

VISHNEVSKIY, A.S., prof.; NANAZIASHVILI, I.S., nauchnyy sotrudnik; prinimali
uchastiye: KOVALENKO, M.D.; ZHEMARTSEVA, T.I.; LENSKIY, B.S.

Health resort treatment of severe forms of hepatitis and cirrhosis
of the liver. Uch.zap.Pyat.gos.rauch.-iesl.bal'n.inst. 3:117-131
'60. (MIRA 15:10)

1. Sanatoriy No.7, Yessentuki (for Kovalenko). 2. Sanatoriy No.11
Yessentuki (for Zhemartseva). 3. Sanatoriy imeni I.M.Sechenova
Yessentuki (for Lenskiy).

(LIVER--CIRRHOSIS) (LIVER--DISEASES)
(YESSENTUKI--HEALTH RESORTS, WATERING-PLACES, ETC.)

ZHEMAYTIS, F.R., kandidat voyennykh nauk, general-mayor.

[The battle of Stalingrad] Stalingradskaya bitva. Moskva, Znanie, 1953.
39 p. (MLRA 6:10)
(Stalingrad, Battle of, 1942-1943)

MIKHAYLOVA, K.K. (Krasnoyarsk); SHKREBKO, P.I. (Kiev); AFANAS'YEV, I.A.
(Pskovskaya oblast'); YUN SU-GON (Shaktersk, Sakhalin); ZHEMAYTIS, I.
[Zemaitis, J.] (Kaunas)

Editor's mail. Mat. v shkole no.2146-51 Mr-Ap '63. (MIRA 16:4)
(Mathematics—Study and teaching)

ZHEMAYTIS, K.

AUTHOR: Zhemaytis, K.

133-11-17/19

TITLE: The Iron and Steel Industry in Poland (Chernaya metallurgiya Pol'shi)

PERIODICAL: Stal', 1957, No.11, pp. 1038 - 1041 (USSR).

ABSTRACT: A brief review of the development of the iron and steel industry in Poland during 1948 - 1957 is given. For comparison, the output data for 1938 are taken. There are 3 tables.

ASSOCIATION: The author is the Minister of Heavy Industry of the Polish People's Republic.

AVAILABLE: Library of Congress
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BUNIMOVICH, David Zakharovich; ZHEMATIS, S., redaktor; MOROZOVA, G..
tekhnicheskiy redaktor

[Photographic laboratories of Pioneers] Pionerskaia fotolaboratoriia.
[Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1956. 85 p. (MLRA 9:10)
(Photography--Apparatus and supplies)

SMETANIN, Boris Mikhaylovich; ZHEMATOV, S., redaktor; KIRILLINA, L..
tekhnicheskiy redaktor

[The young radio builder] Junyi radiokonstrukter. [Moskva] Izd-vo
TeK VLESN "Molodaia gvardiia," 1956. 286 p. (MLRA 9:10)
(Radio--Amateurs' manuals)

TARKHOVA, Tamara Nikolayevna; BYSTROZOROV, Igor' Semenovich; ZHEMAYTIS, S.,
red.; KOVALEV, A., tekhn.red.

[Machine-tractor station schools] Shkol'nye MTS [Moskva] Izd-vo
TsK VLKSM "Molodaia gvardiia," 1957. 20 p. (MIRA 10:12)

1. Direktor Yelizavetinskoy sredney shkoly Gatchinskogo rayona
Leningradskoy oblasti (for Tarkhova).
(Machine-tractor stations)

ZHEMBROVSKAYA, L.

USSR/Medicine - Antibiotics

Feb 50

"Determination of the Concentration of Penicillin in Human Blood," P. Ye. Vinir, L. I. Zhembrovskaya, Inst Microbiol Immun Acad N. K. Zabolotny, Acad Sci Ukrainian SSR

"Mikrobiologichny Zhur" Vol XI, No 4, pp 81-85

Proposes method for detg penicillin concn in a glucose (1%) - citrate (0.5%) broth to which 10% serum has been added. Method is simple and reliable. It can be used for detg concn of penicillin not only in blood serum, but also in urea, emmades, etc. With a sp strain of streptococci

USSR/Medicine - Antibiotics

(Contd)

20385
Feb 50

(Strain 2/4), this method permits one to det penicillin in blood in the range of 0.03-4 units per 1 ml, which is sufficient for clinical purposes.

20385

SEMENENKO, N.P. (Kiev); RODIONOV, S.P., redaktor; ZHEMBROVSKIY, M.A.,
redaktor; SIVACHENKO, Ye.K., tekhnicheskij redaktor

[Paragenetic analysis and classification of metamorphic rocks]
Parageneticheskii analiz i sistematika metamorficheskikh porod.
Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1954. 58 p. (Akade-
mija nauk URSR, Kiev. Instytut geologichnykh nauk, Trudy, no.2.
Seriia petrografii, mineralogii i geokhimii) (MLRA 8:10)

1. Institut geologii Akademii nauk USSR (for Semenenko) 2. Chlen-
korrespondent Akademii nauk USSR (for Rodionov)
, (Rocks, Crystalline and metamorphic)

SEMENENKO, N.P.; SIROSHAN, R.I.; STEPANEV, V.D.; RODIONOV, S.P., ot-
vetstvennyy redaktor; ZHEMEROVSKIY, M.A., redaktor; SIVACHENKO,
Ye. K., tekhnredaktor.

Field of migmatites and granites in the Ingulets Valley. Trudy Inst.
geol. nauk AN URSR no.3:5-162 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk USSR (for Rodionov)
(Ingulets Valley--Gneiss) (Ingulets Valley--Granite)

GINZBURG, B.I.; TSIMBALYUK, V.Yu.; ZHEMEUS, M.D.

Performance of tuyeres with fast water circulation. Metallurg
10 no.7:20-21 J1 '65. (MIRA 18:7)

RYABTSEV, L.N.; KARPETA, D.I.; MOREV, I.I.; RAYEV, Yu.O.; KLOKOV, P.V.;
ZHEMBUS, M.D.; YEVSSEYEV, A.M.; TKACHENKO, V.K.

Young blast furnace operators are exchanging work practices. Metal-
lurg no.12:7-10 D '56.
(MIRA 10:1)

1..Master domennoy pechi no.7 Magnitogorskogo metallurgicheskogo
kombinata (for Ryabtsev). 2.Master domennoy pechi no.7 Magnitogors-
ko metallurgicheskogo kombinata (for Karpeta). 3.Master Magnitogor-
skogo metallurgicheskogo kombinata (for Morev). 4.Pomoshchnik mastera
Kuznetskogo metallurgicheskogo kombinata (for Rayev). 5.Master metal-
lurgicheskogo zavoda imeni Serova (for Klokov). 6.Master metallurgi-
cheskogo zavoda imeni Petrovskogo (for Zhebus). 7. Master Chusovskogo
metallurgicheskogo zavoda (for Yevseyev). 8. Master Makeyevskogo me-
tallurgicheskogo zavoda (for Tkachenko).

(Magnitogorsk--Blast furnaces)

ZHEMBUS, M.D.; KOTOV, K.I.

Intensifying the blast furnace smelting process with the
use of combined blowing. Met. i gornorud. prom. no.1;
13-15 Ja-F '64.

(MIRA 17:10)

KOTOV, K.I., inzh.; ZHEMBUS, M.D., inzh.; TSYMBALYUK, V.Yu., inzh.

Investigating the composition of gas in the hearth of a blast furnace operating on combined blowing. Stal' 25 no.2:97-102 F '65. (MIRA 18:3)

1. Dnepropetrovskiy metallurgicheskiy institut i metallurgicheskiy zavod im. Petrovskogo.

LIKHORADOV, A.P.; ZHIGULIN, V.I.; ZHEMBUS, M.D.; RUDAKOV, V.F.; KOTOV, K.I.;
ZHAK, A.M.; TSYMBALYUK, V.Yu.; FILIMONOV, V.V.

Service of the lining and cooling equipment of a blast furnace
in the smelting of ferromanganese. Metallurg 10 no.10:12-14
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(MIRA 18:10)

1. Zavod im. Petrovskogo.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6

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Using steam in operating blast furnaces with combined blowing.
Met. i gornorud. prom. no.1:7-10 Ja-F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710014-6"

ZHEMBUS, M.D., POLTAVETS, V.V.; KOTOV, K.I.

Forcing blast furnace smelting during operations with a combined blow. Metallurg 9 no.6:9-11 Je '64. (MIRA 17:9)

1. Michal'nik domennogo tschha metallurgicheskogo zavoda im. Petrovskogo (for Zhembus). 2. Dnepropetrovskiy metallurgicheskiy institut (for Poltavets, Kotov).

GIMMEL'FARB, A.A., kand. tekhn. nauk; LIKHORADOV, A.P.; ZHEMEUS, M.D.;
ZHAK, A.M.

Increasing the strength of fluxed sinter. Met. i gornorud.
prom. no.6:7-11 N-D '65. (MIRA 18:12)

GE CHZHI-DA [Ke Chih-ta]; ZHEVCHUGOV, A. [translator]; LAVROV, V.V., kand.
ekon.nauk, red.; LOGOVINSKAYA, R., red.; LEBEDEV, A., tekhn.red.

[Budget of China in the transition period] Biudzhet Kitais v
perekhodnyi period. Predisl. i red. V.V.Lavrova. [Translated
from the Chinese] Maskva, Gosfinizdat, 1958. 250 p. (MIRA 12:3)
(China--Budget)

DASHKEVICH, Z.V. [translator]; ZHEMCHUGOV, A.A. [translator]; PEKSHEV, Yu.A.,
red.; FILATOVA, V.A., red. izd-va; LAGUTINA, I.A., tekhn. red.

[Basic data on the foreign trade of China; abridged translation
from the Chinese] Osnovnye svedeniia o vneshnei torgovle Kitaja.
Moskva, Vseshtorgizdat, 1961. 177 p. (MIRA 14:10)
(China--Commerce)

ZHEMCHUGOV, Vitaliy Ivanovich, slesar'; SHIMINA, M.M., redaktor; KIRSANOVА,
N.A., tekhnicheskiy redaktor

[At the Gorkiy Automobile Plant] Na Gor'kovskom avtokavode. [Moskva]
Izd-vo VTsSPS Profizdat, 1956. 35 p. (MLRA 10:4)

1. Gor'kovskiy avtokavod imeni Molotova (for Zhemchugov)
(Gorkiy--Automobile industry)

ZHEMCHUGOV, V.N., inzh.; GUDNIN, N.N., inzh.

Improving the characteristics of a centrifugal pump in
polishing rotor wheel channels by means of the abrasive-
jet method. Vest.mashinostr. 45 no.10:28-29 O '65.

(MIRA 18:11)

ACC NR:	AP6028094	SOURCE CODE:	UR/0314/66/000/006/0010/0011
AUTHOR:	Abdurashitov, S. A. (Doctor of technical sciences); Beletskiy, D. G. (Candidate of technical sciences); Gudnin, N. N. (Engineer); Zhemchugov, V. N. (Engineer)		
ORG:	none		
TITLE: Effect of the roughness of working rotor channels on the characteristics of a centrifugal pump			
SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 6, 1966, 10-11			
TOPIC TAGS: centrifugal pump, surface roughness			
ABSTRACT: The aim of the work was a quantitative determination of the magnitude of the loss in head, H, and the power required, N, as functions of the roughness of the individual surfaces of the channel of the working rotor. At the start, experiments were carried out on a Type 3K-6 ² pump. The working rotor was carefully cleaned of paint, after which the roughness of the channels was determined by the impression method. The characteristics of the pump were then determined on a plant testing unit. To decrease the roughness of the surfaces, use was made of a specially designed and constructed unit (See Fig. 1)			
Card 1/3		UDC: 621.671.001.5	

ACC NR: AP6028094

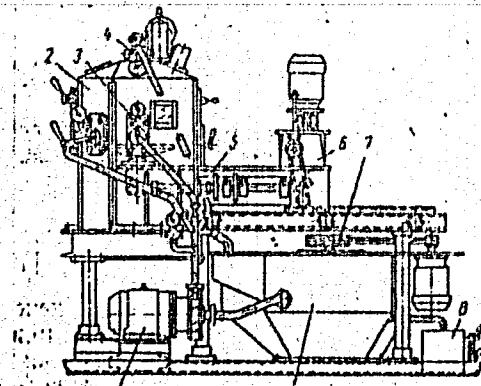


Fig. 1. Hydrojet abrasion unit

With reference to the figure, the abrasive slurry, consisting of an abrasive in water at a volume ratio of 1:7(1:10) is fed onto the piece being treated by rubber lined electric pumps 1, Type TsNPU-12/65-Gum, through lateral 3, and upper 4 jets. The piece being treated is placed in chamber 2, and rotated at a speed of 4 rev/min. After polishing of the rotor on the unit described, the characteristics of the pump were again determined. The article gives curves showing the change in the characteristics of the pumps as a function of the degree of treatment of the working rotor. It is

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